Epoxy compound, preparation method thereof, and use thereof

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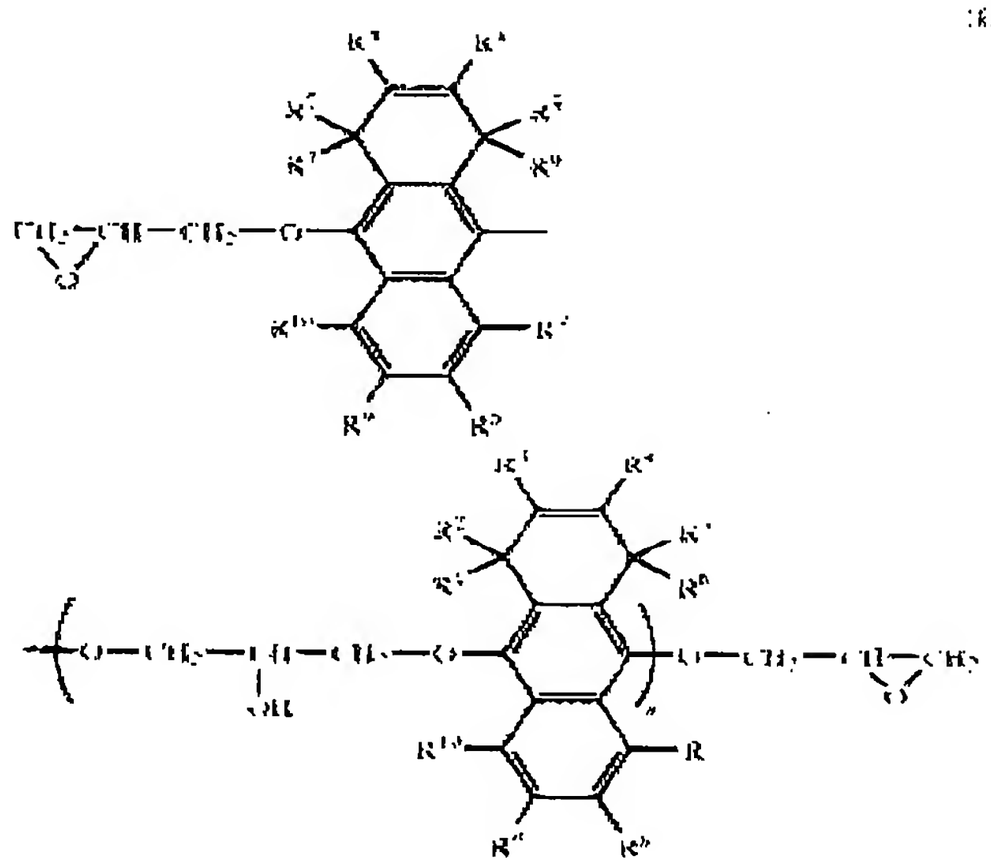
The present invention relates to an epoxy compound, represented by a general formula (I), which is solid at ordinary temperature, has extremely low melt viscosity and has excellent curing property and which can provide a cured product which is excellent in mechanical strength, heat resistance, and moisture resistance. It also relates to a preparation method of the epoxy compound, an epoxy resin composition, and a cured product thereof The epoxy compound is represented by the following general formula (I) (wherein R<1>-R<10 >each represent hydrogen atom or alkyl group having 1-6 carbon atoms, and n represents an integer of 0 or more)

(I)



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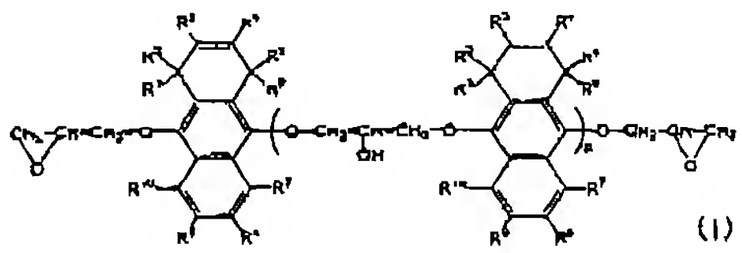
[54] 发明名称 环氧化合物，其制备方法以及应用

[57] 摘要

本发明涉及一种由通式(I)表示的环氧化合物，其在常温下为固态，并具有极低的熔融粘度和优异的固化性，并且可以提供具有优异的机械强度、耐热性和抗湿性的固化产品。 本发明也涉及一种所述环氧化合物、环氧树脂组合物及其固化产品的制备方法。 所述环氧化合物由下述通式(I)表示：(其中 R^1 - R^{10} 分别表示卤素原子或具有 1 -6 个碳原子的烷基，n 表示 0 或大于 0 的整数)。



(I)

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